

Three-year index of articles

A complete index of articles published in POWER TRANSMISSION DESIGN during 1970, 1971, and 1972. Lengths of articles, in pages, appear in parentheses after the titles. The index does not include listings in our Annual January Product Specification Issues and in monthly Techlit Reviews, and shorter articles published in our regular departments. Photocopies of articles are available at ten cents a sheet. Limited quantities of magazines are available at \$1.25 each. Minimum order for photocopies and magazines is \$2.00. Remittance must accompany all orders of less than \$25.00. Make out your check to POWER TRANSMISSION DESIGN, P. O. Box 5748-U, Cleveland OH 44101. Out-of-print copies of the magazine are available in complete volumes as positive microfilm copies from University Microfilms, 300 N. Zeeb Rd., Ann Arbor MI 48103. Previous Three-Year Indexes appeared in: January, 1972, for January, 1969 through December, 1971; March, 1971, for January, 1968 through December, 1970; February, 1970, for January, 1967 through December, 1969; February, 1969, for January, 1966 through December, 1968.

ADJUSTABLE-SPEED DRIVES

Title, length	1970	Month, page
What You Need to Know about adjustable-speed drives:		
Part 17—The belt drive (6-1/3)	Feb 72	
What You Need to Know about adjustable-speed drives:		
Part 18—Adjustable-speed d.c. systems (5)	Mar 60	
Designing with industrial hydroviscous drives:		
Part 3—Adjustable-speed drives (4)	Apr 51	
Caterpillar drives keep plant layout flexible (3)	May 36	
Compact drive moves lift truck to market (3)	May 63	
New clutch, transmission lift lift-truck output (2)	May 66	
What You Need to Know about adjustable-speed drives:		
Part 19—Adjustable-frequency drives (5-1/3)	May 69	
Designing with industrial hydroviscous drives:		
Part 4—Uses of adjustable-speed drives (2-1/3)	Jul 56	
SCR drives make computer room flooring (2)	Aug 56	
Wire taper does six jobs in one synchronized pass (2)	Sep 46	
Reducers peel costs from cannery drives (4)	Oct 34	
Two-step update staves off barrel troubles (2)	Oct 42	
Reactor-capacitor system drives universal grinder (2)	Dec 36	

1971

SCR retrofit updates tired machine tools (2)	Feb 42	
Drives and bearings help tires meet new U.S. specs (4)	Mar 53	
Metallic traction drive controls web tension (2)	Mar 60	
SCR drives help camera maker cut machining cost (1-1/3)	Mar 64	
Driverless tractors:		
Motors and controls walk the line (7)	May 41	
Don't overlook hydraulic variable speed drives (5-1/3)	Jun 31	
One control knob adjusts speed of four conveyors (1-2/3)	Jul 48	
How we synchronized a bottle-filling line (6)	Sep 66	
Stock components keep papermaking wire tight (2-1/3)	Oct 54	
Thyristors: Sharp tools for machine-tool drives (9-1/3)	Nov 40	
SCR drive keeps weld quality high (2/3)	Nov 49	
New NEMA standards unite d.c. motors, SCR power (4)	Dec 27	

1972

Six success stories: Small adjustable d.c. drives (5)	Jun 59	
Treadmill designers specify drives to keep you running (4)	Jul 34	
Adjustable belt drive slows apron drier (1)	Jul 44	
How process-line multiple drives run as one—Part 1 (6-2/3)	Aug 48	
Chains and cam followers push the stock (3-1/3)	Nov 45	
How process-line multiple drives run as one—Part 2 (5-2/3)	Nov 61	

BELT DRIVES

Title, length	1970	Month, page
What You Need to Know about adjustable-speed drives:		
Part 17—The belt drive (6-1/3)	Feb 72	
Quarter-turn V-belt drives—How to design them right (4)	Mar 71	
Storage-system drives team up for 3-D motion (7)	May 39	
How to maintain V-belt drives (5)	Jun 39	
Drives for rotating, vibrating, tumbling barrels (3)	Jun 53	
Reducers peel costs from cannery drives (4)	Oct 34	
Facing-machine drives help mount Navy's guns (2)	Oct 46	
Many drives control machining center (3)	Nov 66	
How V-belt drives load bearings (3)	Dec 28	
Reducer replaces open gearing, renovates wringer (2)	Dec 34	

1971

Drives keep business up in rotating restaurant (2)	Feb 37	
Portable power pack cuts elevator inspection time (1)	Feb 52	
Drives and bearings help tires meet new U.S. specs (4)	Mar 53	
96 V-belts drive Norwegian icebreaker (1)	May 50	
How we synchronized a bottle-filling line (6)	Sep 66	
Shaft mount drags down grain-handling costs (3)	Oct 48	

Three-year index of articles

A complete index of articles published in POWER TRANSMISSION DESIGN during 1970, 1971, and 1972. Lengths of articles, in pages, appear in parentheses after the titles. The index does not include listings in our Annual January Product Specification Issues and in monthly Techlit Reviews, and shorter articles published in our regular departments. Photocopies of articles are available at ten cents a sheet. Limited quantities of magazines are available at \$1.25 each. Minimum order for photocopies and magazines is \$2.00. Remittance must accompany all orders of less than \$25.00. Make out your check to POWER TRANSMISSION DESIGN, P. O. Box 5748-U, Cleveland OH 44101. Out-of-print copies of the magazine are available in complete volumes as positive microfilm copies from University Microfilms, 300 N. Zeeb Rd., Ann Arbor MI 48103. Previous Three-Year Indexes appeared in: January, 1972, for January, 1969 through December, 1971; March, 1971, for January, 1968 through December, 1970; February, 1970, for January, 1967 through December, 1969; February, 1969, for January, 1966 through December, 1968.

ADJUSTABLE-SPEED DRIVES

Title, length	1970	Month, page	1972
What You Need to Know about adjustable-speed drives:			Six success stories: Small adjustable d.c. drives (5) . . . Jun 59
Part 17—The belt drive (6-1/3)	Feb 72		Treadmill designers specify drives to keep you running (4) Jul 34
What You Need to Know about adjustable-speed drives:			Adjustable belt drive slows apron drier (1) Jul 44
Part 18—Adjustable-speed d.c. systems (5)	Mar 60		How process-line multiple drives run as one—Part 1 (6-2/3) Aug 48
Designing with industrial hydroviscous drives:			Chains and cam followers push the stock (3-1/3) Nov 45
Part 3—Adjustable-speed drives (4)	Apr 51		How process-line multiple drives run as one—Part 2 (5-2/3) Nov 61
Caterpillar drives keep plant layout flexible (3)	May 36		
Compact drive moves lift truck to market (3)	May 63		
New clutch, transmission lift lift-truck output (2)	May 66		
What You Need to Know about adjustable-speed drives:			
Part 19—Adjustable-frequency drives (5-1/3)	May 69		
Designing with industrial hydroviscous drives:			
Part 4—Uses of adjustable-speed drives (2-1/3)	Jul 56		
SCR drives make computer room flooring (2)	Aug 56		
Wire taper does six jobs in one synchronized pass (2)	Sep 46		
Reducers peel costs from cannery drives (4)	Oct 34		
Two-step update staves off barrel troubles (2)	Oct 42		
Reactor-capacitor system drives universal grinder (2)	Dec 36		

1971

SCR retrofit updates tired machine tools (2)	Feb 42
Drives and bearings help tires meet new U.S. specs (4)	Mar 53
Metallic traction drive controls web tension (2)	Mar 60
SCR drives help camera maker cut machining cost (1-1/3)	Mar 64
Driverless tractors:	
Motors and controls walk the line (7)	May 41
Don't overlook hydraulic variable speed drives (5-1/3)	Jun 31
One control knob adjusts speed of four conveyors (1-2/3)	Jul 48
How we synchronized a bottle-filling line (6)	Sep 66
Stock components keep papermaking wire tight (2-1/3)	Oct 54
Thyristors: Sharp tools for machine-tool drives (9-1/3)	Nov 40
SCR drive keeps weld quality high (2/3)	Nov 49
New NEMA standards unite d.c. motors, SCR power (4)	Dec 27

BELT DRIVES

Title, length	1970	Month, page
What You Need to Know about adjustable-speed drives:		
Part 17—The belt drive (6-1/3)	Feb 72	
Quarter-turn V-belt drives—How to design them right (4)	Mar 71	
Storage-system drives team up for 3-D motion (7)	May 39	
How to maintain V-belt drives (5)	Jun 39	
Drives for rotating, vibrating, tumbling barrels (3)	Jun 53	
Reducers peel costs from cannery drives (4)	Oct 34	
Facing-machine drives help mount Navy's guns (2)	Oct 46	
Many drives control machining center (3)	Nov 66	
How V-belt drives load bearings (3)	Dec 28	
Reducer replaces open gearing, renovates wringer (2)	Dec 34	

1971

Drives keep business up in rotating restaurant (2)	Feb 37
Portable power pack cuts elevator inspection time (1)	Feb 52
Drives and bearings help tires meet new U.S. specs (4)	Mar 53
96 V-belts drive Norwegian icebreaker (1)	May 50
How we synchronized a bottle-filling line (6)	Sep 66
Shaft mount drags down grain-handling costs (3)	Oct 48

1972

Cut away pollution with sealed drives and bearings (3) .	Feb 35
Engine-block ends: Drives help mill two at a time (6) .	Apr 62
Electric tension control doubles press speed (3) .	May 65
Idlers keep drives up tight just right (3) .	May 68
Synchronous belt transmits power in Pipp's Kart drive (2) .	May 72
Stretchables + slippables = predictable live rollers (5) .	Jul 29
Small-motor muller jogger cuts big-motor maintenance (3) .	Oct 58

BEARINGS

Title, length	1970	Month, page
Fan fix nicks block , stock block nixes lock (1-2/3) .	Feb 81	
Rolling contacts: Four ways to failure (5) .	Mar 55	
How to design and use sleeve bearings: Part 1—Which material? (1-2/3) .	Jun 46	
Drives for rotating, vibrating, tumbling barrels (3) .	Jun 53	
How to design and use sleeve bearings: Part 2—Design criteria (2) .	Jul 44	
How to design and use sleeve bearings: Part 3—Lubrication and dimensions (2) .	Aug 54	
Tapered roller bearings set crooked tubes straight (2) .	Sep 58	
Facing-machine drives help mount Navy's guns (2) .	Oct 46	
How to design and use sleeve bearings: Part 4—Applying your knowledge (1) .	Oct 50	
How to install plain bearings (2-1/3) .	Nov 58	
How to use pullers in gear and bearing maintenance (4) .	Nov 62	
How V-belt drives load bearings (3) .	Dec 28	
How to maintain tapered roller bearings (1-1/3) .	Dec 44	

1971

Computer-generated tables ease sleeve-bearing design (6) .	Feb 44
Drives and bearings help tires meet new U. S. specs (4) .	Mar 53
What the big, geared bearings are doing (2-1/3) .	Mar 62
Clutches coordinate tunneler's motors (5) .	Apr 64
Driverless tractors: Motors and controls walk the line (7) .	May 41
Miniature bearings reduce speed and noise (4) .	May 51
Assembly-line setting of tapered roller bearings (6) .	Jun 43
Designing raceways for needle and roller bearings (6-1/3) .	Aug 47
Dry lubricants for plain bearings: How long a life? (2) .	Sep 86
Shaft mount drags down grain-handling costs (3) .	Oct 48
Don't let your sleeve bearings die on the shelf (1-1/3) .	Oct 66
Helical gears put standard motor on 200-hp grinder (3) .	Nov 35
Two sleeve bearings do the job of one (1) .	Nov 50
Welding-positioner drives: Smart picks smooth rough jobs (6-2/3) .	Dec 21
Which instrument ball bearing? (8) .	Dec 34

1972

Cut away pollution with sealed drives and bearings (3) .	Feb 35
The Vibration Monitor: About rolling bearings (2/3) .	Feb 43
Rotary-and-linear bearings roll away gear eccentricity (2) .	Feb 44
Engine-block ends: Drives help mill two at a time (6) .	Apr 62
How to get the most from mounted-bearing selection (6-1/3) .	Apr 68
Rolling-element bearing selection: Old method, new life (4) .	Apr 77
Sleeve-bearing lubrication: How and how often? (2-1/3) .	May 84
Impregnated-fabric liner increases bearing life (3) .	Jun 66
The Vibration Monitor: More about rolling bearings (1) .	Jun 74
Reconditioned bearings are quieter than new (3) .	Jul 49
The Vibration Monitor: Vibration severity (1-2/3) .	Jul 52
Designing a mill for numerical control (3-1/2) .	Aug 45
Keeping bearing costs down (2) .	Aug 56
Two bearings replace irreplaceable bearing (1-1/3) .	Oct 61
Chains and cam followers push the stock (3-1/3) .	Nov 45
What makes sleeve bearings fail? (2) .	Nov 58
What makes bearing materials fail? (1-1/3) .	Dec 40

CHAIN DRIVES

Title, length	1970	Month, page
Storage-system drives team up for 3-D motion (7) .	May 39	
Drives for rotating, vibrating, tumbling barrels (3) .	Jun 53	
Reducers peel costs from cannery drives (4) .	Oct 34	
Two-step update staves off barrel troubles (2) .	Oct 42	
Facing-machine drives help mount Navy's guns (2) .	Oct 46	
Sprag clutches let chain drive do two jobs (1) .	Dec 31	
Reducer replaces open gearing, renovates wringer (2) .	Dec 34	

1971

Clutches coordinate tunneler's motors (5) .	Apr 64
Chain drives run surface to move loads any way on one plane (2) .	May 48
Stalled or locked rotors: A breeze for air motors (3) .	Jun 36
How we synchronized a bottle-filling line (6) .	Sep 66
Silent-chain drive puts fire tanker on the scene (3) .	Oct 51
Stock components keep papermaking wire tight (2-1/3) .	Oct 54

1972

Stretchables + slippables = predictable live rollers (5) .	Jul 29
Treadmill designers specify drives to keep you running (4) .	Jul 34
Lumber stack packs neatly where fluid motors put it (1-2/3) .	Oct 63
Chains and cam followers push the stock (3-1/3) .	Nov 45

MOTORS AND ENGINES

Title, length	1970	Month, page
Dual-pulley drive gets it from shore to ship (7) .	Mar 47	
Storage-system drives team up for 3-D motion (7) .	May 39	
Cocked springs trigger low vibratory-conveyor costs (3) .	Jun 49	
A4T bends to the task, 4-wheel drive helps it pull (5) .	Sep 39	
Hydraulics leads the band in saw feed, speed control (4) .	Sep 48	
D.c. motors drive multiple-unit cars in N.E. corridor (1) .	Sep 52	
Electrics, hydraulics team up in front loader (1) .	Sep 55	

1971

Drives and bearings help tires meet new U.S. specs (4) .	Mar 53
Clutches coordinate tunneler's motors (5) .	Apr 64
Driverless tractors: Motors and controls walk the line (7) .	May 41
Mighty diesel fights costs in middleweight class (2-1/3) .	May 58
Stalled or locked rotors: A breeze for air motors (3) .	Jun 36
Balancing large rotors—machine and method (5) .	Jul 39
Shock absorbers: Another use for LIM's (2) .	Aug 56
Shaft mount drags down grain-handling costs (3) .	Oct 48
Silent-chain drive puts fire tanker on the scene (3) .	Oct 51
Helical gears put standard motor on 200-hp grinder (3) .	Nov 35
Welding-positioner drives: Smart picks smooth rough jobs (6-2/3) .	Dec 21
New NEMA standards unite d.c. motors, SCR power (4) .	Dec 27

1972

Cut away pollution with sealed drives and bearings (3) .	Feb 35
Synchronous belt transmits power in Pipp's Kart drive (2) .	May 72
Sleeve-bearing lubrication: How and how often? (2-1/3) .	May 84
Six success stories: small adjustable d.c. drives (5) .	Jun 59
Electric warning system saves motors and gearing (2/3) .	Jun 65
Treadmill designers specify drives to keep you running (4) .	Jul 34
Designing a mill for numerical control (3-1/2) .	Aug 45
How process-line multiple drives run as one— Part 1 (6-2/3) .	Aug 48
Small-motor muller jogger cuts big-motor maintenance (3) .	Oct 58
Lumber stack packs neatly where fluid motors put it (1-2/3) .	Oct 62
Electric actuators control harvester's aim (1-2/3) .	Nov 48
Hydraulic motors drive cable reels (3) .	Nov 50
How process-line multiple drives run as one— Part 2 (5-2/3) .	Nov 61

CLUTCHES, BRAKES, FLUID COUPLINGS, TORQUE CONVERTERS

Title, length	Month, page	
1970		
Designing with industrial hydroviscous drives:		
Part 2—Uses of clutches and brakes (4)	Feb 67	Drives keep business up in rotating restaurant (2) Feb 37
Storage-system drives team up for 3-D motion (7)	May 39	How to mount fine-pitch gears (3) Feb 50
Compact drive moves lift truck to market (3)	May 63	Portable power pack cuts elevator inspection time (1) Feb 52
New clutch, transmission lift lift-truck output (2)	May 66	What the big, geared bearings are doing (2-1/3) Mar 62
Cocked springs trigger low vibratory-conveyor costs (3)	Jun 49	Clutches coordinate tunneler's motors (5) Apr 64
What You Need to Know: Part 20—		Driverless tractors:
Adjustable-slip couplings (4-1/2)	Jun 57	Motors and controls walk the line (7) May 41
Wire taper does six jobs in one synchronized pass (2)	Sep 46	Mighty diesel fights costs in middleweight class (2-1/3) May 58
Hydraulics leads the band in saw feed, speed control (4)	Sep 48	Cast nylon gears cut noise, boost speed in paper mill (8) Aug 41
Two-step update staves off barrel troubles (2)	Oct 42	Planetary transmission gives tractor twelve speeds (5) Sep 61
Dual-drive tables take numerical, manual control (2)	Nov 60	How we synchronized a bottle-filling line (6) Sep 66
Soft-start clutch, gear drive double capacity (2)	Dec 26	Use these tables to design with:
Sprag clutches let chain drive do two jobs (1)	Dec 31	long-addendum pinions (5-1/3) Sep 76
Silent-chain drive puts fire tanker on the scene (3) Oct 51		
Stock components keep papermaking wire tight (2-1/3) Oct 54		
Helical gears put standard motor on 200-hp grinder (3) Nov 35		
SCR drive keeps weld quality high (2/3) Nov 49		
Welding-positioner drives: Smart picks smooth rough jobs (6-2/3) Dec 21		

1971

Roller and cam clutches:	
How and where they work (3-1/3)	Mar 66
Clutches coordinate tunneler's motors (5)	Apr 64
Driverless tractors:	
Motors and controls walk the line (7)	May 41
Mighty diesel fights costs in middleweight class (2-1/3)	May 58
Planetary transmission gives tractor twelve speeds (5)	Sep 61
How we synchronized a bottle-filling line (6)	Sep 66

1972

Soft-start clutch drives ammoniator drum (1-1/3)	Feb 42
What you should know about designing:	
right-angle gearing (5-1/3)	Apr 51
Engine-block ends: Drives help mill two at a time (6)	Apr 62
How SHC gear lubes stack up (3-2/3)	May 74
How to rate the strength of straight bevel gears (3-1/3)	May 80
Electric warning system saves motors and gearing (2/3)	Jun 65
Universal shafts make quick change easy (1)	Jun 73
Treadmill designers specify drives:	
to keep you running (4)	Jul 34
Simplify your change-gear ratio calculations (2)	Aug 58
Lumber stack packs neatly:	
where fluid motors put it (1-2/3)	Oct 62
Rating surface durability of straight bevel gears (3-1/3)	Oct 64

1972

Soft-start clutch drives ammoniator drum (1-1/3)	Feb 42
Air clamps the blade and stops the stock (1)	Feb 46
Tension control handles the web (3)	Mar 59
Electric tension control doubles press speed (3)	May 65
Retaining rings lower manufacturing costs (1)	May 71
Synchronous belt transmits power:	
in Pipp's Kart drive (2)	May 72
Hydraulic clutches change spindle speed smoothly (1-1/3)	Jun 64
Small-motor muller jogger cuts big-motor maintenance (3)	Oct 58
Wrap-spring clutch hushes riveting machine (3)	Dec 25
Fast, powerful clutch-brake controls flying shears (4)	Dec 28

LUBRICANTS

Title, length	Month, page	
1970		
Rolling contacts: Four ways to failure (5)	Mar 55	
Which lubricants for high temperatures? (2-2/3)	May 47	
How to design and use sleeve bearings:		
Part 3—Lubrication and dimensions (2)	Aug 54	
Central lubrication keeps off-highway vehicles going (2)	Nov 56	
Central lube systems help unload iron ore (5)	Dec 21	

1971

Clutches coordinate tunneler's motors (5)	Apr 64
Lube flow—how to tell when you have it (2)	Jul 44
Dry lubricants for plain bearings: How long a life? (2)	Sep 86
Helical gears put standard motor on 200-hp grinder (3)	Nov 35

1972

Cut away pollution with sealed drives and bearings (3)	Feb 35	
Polyglycol lubricants can be the answer (4)	Feb 38	
How fluorosilicones solve tough lubrication problems (4)		
Engine-block ends: Drives help mill two at a time (6)	Apr 62	
How SHC gear lubes stack up (3-2/3)	May 74	
Sleeve-bearing lubrication:		
How and how often? (2-1/3)	May 84	
Electric warning system saves motors and gearing (2/3)	Jun 65	

GEAR DRIVES		
Title, length	Month, page	
1970		
Caterpillar drive keeps plant layout flexible (3)	May 36	
Storage-system drives team up for 3-D motion (7)	May 39	
Compact drive moves lift truck to market (3)	May 63	
A4T bends to the task, 4-wheel drive helps it pull (5)	Sep 39	
Hydraulics leads the band in saw feed, speed control (4)	Sep 48	
D.C. motors drive multiple-unit cars in N.E. corridor (1)	Sep 52	
Reducers peel costs from cannery drives (4)	Oct 34	
Tandem indexing drives ease unloader motion (4)	Oct 38	
Facing-machine drives help mount Navy's guns (2)	Oct 46	
Hydraulic, mechanical drives form gears (2)	Oct 48	
Dual-drive tables take numerical, manual control (2)	Nov 60	
How to use pulleys in gear and bearing maintenance (4)	Nov 62	
Many drives control machining center (3)	Nov 66	
Soft-start clutch, gear drive double capacity (2)	Dec 26	
Reducer replaces open gearing, renovates wringer (2)	Dec 34	

OTHER COMPONENTS

Title, length	Month, page
	1970
Circular-arc star wheels drive small parts assembler (4-1/3)	Feb 63
Flexible shaft saves a motor (1)	Feb 71
Splines wear out; polygons that replace them don't (2)	Mar 66
Linear actuators push the load, then pull the drive (2-1/3)	Jun 44
Drives for rotating, vibrating, tumbling barrels (3)	June 53
How shot peening makes drive components stronger (3)	Jul 46
Sound waves control drive speed (2)	Sep 44
Electrics, hydraulics team up in front loader (1)	Sep 55
Tandem indexing drives ease unloader motion (4)	Oct 38
How to design with V-rings (3)	Nov 53

1971

Drives and bearings help tires meet new U.S. specs (4)	Mar 53
Metallic traction drive controls web tension (2)	Mar 60
Driverless tractors: Motors and controls walk the line (7)	May 41
Miniature bearings reduce speed and noise (4)	May 51
Lube flow—how to tell when you have it (2)	Jul 44
The fluoroelastomer seal: A stronger link (1-1/3)	Jul 46
How we synchronized a bottle-filling line (6)	Sep 66
Shaft mount drags down grain-handling costs (3)	Oct 48
Magnetic proximity switch limits spindle travel (2)	Nov 38
The Vibration Monitor: Field balancing (1-1/3)	Jan 106
Computer-generated tables ease sleeve-bearing design (6)	Feb 44
The Vibration Monitor: Vibration standards (2/3)	Mar 69
The Vibration Monitor: More on standards (1)	May 86
Assembly-line setting of tapered roller bearings (6)	Jun 43
Balancing large rotors—machine and method (5)	Jul 39
Lube flow—how to tell when you have it (2)	Jul 44
The Vibration Monitor: Vibration monitoring (2/3)	Jul 47
Designing raceways for needle and roller bearings (6-1/3)	Aug 67
The Vibration Monitor: More on monitoring (2/3)	Aug 54
Use these tables to design with long-addendum pinions (5-1/3)	Sep 76

1972

How to get the most from mounted-bearing selection (6-1/3)	Apr 68
Retaining rings lower manufacturing costs (1)	May 71
Six success stories: Small adjustable d.c. drives (5)	Jun 59
Electric warning system saves motors and gearing (2/3)	Jun 65
Universal shafts make quick change easy (1)	Jun 73
Stretchables + slippables = predictable live rollers (5)	Jul 29
Two bearings replace irreplaceable bearing (1-1/3)	Oct 61
The Vibration Monitor: The oscilloscope (1-2/3)	Oct 72
The Vibration Monitor: More on the oscilloscope (1)	Nov 72

EDUCATION

Title, length	Month, page
	1970
Designing with industrial hydroviscous drives:	
Part 2—Uses of clutches and brakes (4)	Feb 67
What You Need to Know about adjustable-speed drives:	
Part 17—The belt drive (6-1/3)	Feb 72
What You Need to Know about adjustable-speed drives:	
Part 18—Adjustable-speed d.c. systems (5)	Mar 60
Quarter-turn V-belt drives— How to design them right (4)	Mar 71
Designing with industrial hydroviscous drives:	
Part 3—Adjustable-speed drives (4)	Apr 51
What You Need to Know about adjustable-speed drives:	
Part 19—Adjustable-frequency drives (5-1/3)	May 69
The Vibration Monitor: Watch your language! (2/3)	May 104
How to maintain V-belt drives (5)	Jun 39
How to design and use sleeve bearings:	
Part 1—which material? (1-2/3)	Jun 46
What You Need to Know, Part 20	
Adjustable-slip couplings (4-1/2)	Jun 57
The Vibration Monitor: Words and units (1)	Jun 90
How to design and use sleeve bearings:	
Part 2—Design criteria (2)	Jul 44
Designing with industrial hydroviscous drives:	
Part 4—Uses of adjustable-speed drives (2-1/3)	Jul 56
The Vibration Monitor: About rolling bearings (2/3)	Feb 43
How to align machine shafts (9)	Mar 66
What you should know about designing right-angle gearing (5-1/3)	Apr 51
How to get the most from mounted-bearing selection (6-1/3)	Apr 68
Rolling-element bearing selection: Old method, new life (4)	Apr 77
How to rate the strength of straight bevel gears (3-1/3)	May 80
Blueprint and gavel, you and the law (2/3)	May 83
The Vibration Monitor: More about rolling bearings (1)	Jun 74
Blueprint and gavel, you and the law (2/3)	Jun 76
The Vibration Monitor: Vibration severity (1-2/3)	Jul 52
Blueprint and gavel, you and the law (2/3)	Jul 53
Designing a mill for numerical control (3-1/2)	Aug 45
How process-line multiple drives run as one. Part 1 (6-2/3)	Aug 48
Simplify your change-gear ratio calculations (2)	Aug 58
Blueprint and gavel, you and the law (1)	Aug 60
Blueprint and gavel, you and the law (2/3)	Sep 160
Rating surface durability of straight bevel gears (3-1/3)	Oct 64
Blueprint and gavel, you and the law: Upping the odds against trouble (2/3)	Oct 67
The Vibration Monitor: The oscilloscope (1-2/3)	Oct 72
What makes sleeve bearings fail? (2)	Nov 58
Blueprint and gavel, you and the law: The meaning of "defective" (1)	Nov 60
How process-line multiple drives run as one. Part 2 (5-2/3)	Nov 61
The Vibration Monitor: More on the oscilloscope (1)	Nov 72
What makes bearing materials fail? (1-1/3)	Dec 40
The Vibration Monitor: Lissajous figures (1-1/3)	Dec 42
Blueprint and gavel, you and the law: More on "defective" (2/3)	Dec 44